

ABSTRACT

Disclosed herein is an apparatus and method for controlling a linear compressor. The linear compressor control apparatus has a collision
5 detection unit, a control unit, and a compressor driving unit. The
collision detection unit detects a collision of a piston with a valve due to
the operations of the linear compressor. The control unit determines
whether the collision of the piston occurs on the basis of an output signal
from the collision detection unit, and resets maximum amplitude data of the
10 piston of the linear compressor when the collision occurs. The compressor
driving unit controls the maximum amplitude of the piston of the linear
compressor under the control of the control unit.